Installation Instructions

Water Filter / Bypass System
Less Solenoid Shut-Off Valve

Part #WFB34B (With Opaque Filter)
Part #WCFB34B (With Clear Filter)

Description:
The system provides for manual water supply shut-off. The filter element will remove particulate matter as small as 5 micron to prevent costly damage to dental equipment. Quick open/close ball valves allow for bypass when filter servicing is required.

Installation:

NOTE: A certified plumber should be employed to install the Filter Bypass System according to local plumbing codes. Plumber is to supply all connecting fittings.

Installation Warnings:

- **DO NOT INSTALL ON HOT WATER LINES.**
- **DO NOT Install On Line Pressures Above 125 Psi.**
- **PROTECT FROM FREEZING.**
- **DO NOT Install In Direct Sunlight.**
- **DO NOT Use Torch Near Plastic Housing**

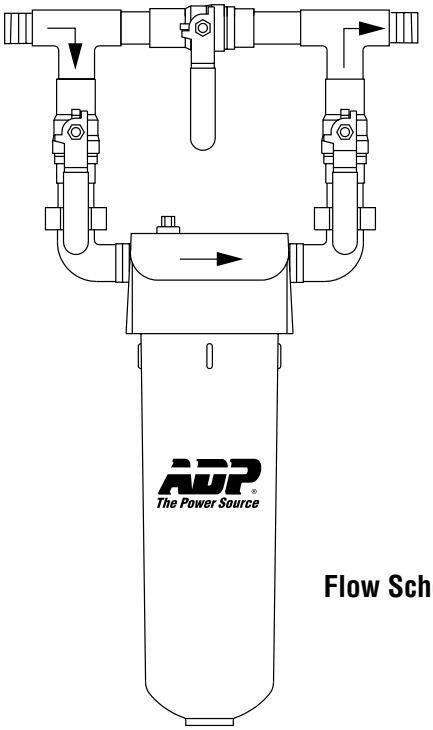
1. Locate a convenient water supply line run for Filter/Bypass installation.
2. Close-off main water supply line for installation.
3. Install Filter/Bypass assembly in water line such that the direction of the water flow through the filter is properly maintained. Union connectors should be used.
4. Securely tighten both end union connections, open main water supply valve, and repair leaks if necessary.
5. Set ball valves for operation mode. For solenoid control; open side inlet and outlet valves, close top bypass valve. For bypass of solenoid/filter assembly; close inlet/outlet valves and open top bypass valve. (See attached flow schematics.)

Maintenance:

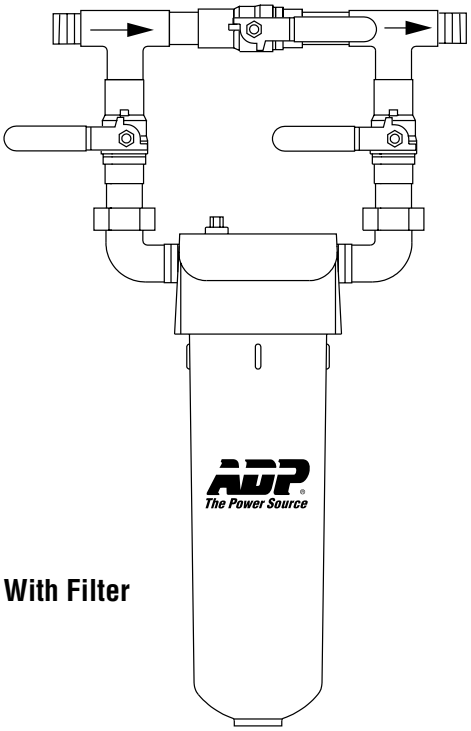
The only required maintenance of the Water Filter Bypass System is the **replacement of the filter element at six month intervals.** (Although the frequency of filter replacement may vary depending on the water quality in your area.)

To replace the filter element simply put the system into the bypass mode and using the filter wrench provided, unscrew the bottom of the filter (bowl) to access the element. Replace the element and **be careful to replace the seal O-Ring upon reassembly.** Return the system to the operation mode and be sure that the filter bowl seals to avoid leaks.

Operation Mode



Bypass Mode



Flow Schematic With Filter

Replacement Parts List

Description	WCFB34 / WCFB34C
Water Filter Housing (OPAQUE)	PFM70330
Water Filter Housing (CLEAR)	PFM70335
Water Filter Element	PFM85240
Water Filter O-Ring	MRP70950

Warranty Information: 90 Days

All ADP accessories are thoroughly inspected and tested in accordance with rigid specifications and standards. Our accessories are guaranteed against any defective material and workmanship from the date of shipment; provided that the installation, operation, and maintenance is done in accordance with ADP procedures as outlined in our Installation and Maintenance Guides. Warranty cards must be returned to ADP within ten days of installation to effect warranty. No other warranties or guarantees, expressed or implied are made.

ADP's obligation under the warranty is to provide parts for the repair or, at its option, to provide the replacement product (excluding labor). All special, incidental and/or consequential damages are excluded. We will not issue credit for accessories without first attempting to correct the problem in the field. Written notice of breach of warranty must be given to ADP within the warranty period. The warranty does not cove damage resulting form improper installation or maintenance, accident or misuse. The warranty does not cover damage resulting from the use of cleaning, disinfecting or sterilizing chemicals and processes. The warranty does not cover vacuum failures due to hard water deposits. Failure to follow instructions provided in ADP's Installation and Maintenance Guides may void the warranty.